LRC Indoor Testing and Research
140 Iowa Lane, Suite 102
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 South Wrightsville Avenue
Nags Heads, NC
_

Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	11/16/24	11/16/24	11/16/24	11/16/24	11/16/24
	1	2	3	4	5
Spore Identification	**Hall at Administration**	**Cafeteria**	**Hall at CR 302**	**Cr 307**	**Hall at CR318**
Cladosporium	53	27	53	27	67
Ascospores	13	-	-	27	-
Basidiospores[2]	67	13	13	13	40
Smuts, *Periconia* , Myxomycetes[4]	40	-	-	27	13
Penicillium/Aspergillus Group[1]	27	-	-	13	53
Hyphal Elements[3]	27	-	-	-	27
Alternaria	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	13	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**227**	**40**	**67**	**120**	**200**
Particulate Level	**low-moderate**	**low**	**low**	**low**	**low-moderate**
Date Analyzed:	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**

Analyzed by: Cathy A. Richmond, B.S.

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Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	11/16/24	11/16/24	11/16/24	11/16/24	11/16/24
	6	7	8	9	10
Spore Identification	**CR 320**	**Hall at Media Center**	**Media Center**	**Hall at 153**	**Gym**
Cladosporium	-	53	27	40	27
Ascospores	-	40	-	13	13
Basidiospores[2]	-	27	40	27	-
Smuts, *Periconia* , Myxomycetes[4]	27	13	-	27	13
Penicillium/Aspergillus Group[1]	13	13	13	-	-
Hyphal Elements[3]	-	-	-	-	-
Alternaria	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**40**	**147**	**80**	**107**	**53**
Particulate Level	**low**	**low-moderate**	**low-moderate**	**low**	**low**
Date Analyzed:	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	11/16/24	11/16/24	11/16/24	11/16/24	11/16/24
Spore Identification	11	12	13	14	15
	Aux. Gym	Hall at 149	CR 317	Music Room	Auditorium
Cladosporium	27	27	13	53	-
Ascospores	27	-	27	-	13
Basidiospores[2]	-	-	-	-	-
Smuts, *Periconia* , Myxomycetes[4]	-	-	-	13	-
Penicillium/Aspergillus Group[1]	-	13	-	13	-
Hyphal Elements[3]	-	13	13	-	-
Alternaria	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	13
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**53**	**53**	**53**	**80**	**27**
Particulate Level	**low**	**low**	**low**	**low-moderate**	**low**
Date Analyzed:	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	11/16/24	11/16/24	11/16/24	11/16/24	11/16/24
	16	17	18	19	20
Spore Identification	**Hall at CR 205**	**CR210**	**Hall at 352**	**Hall at 359**	**CR 360**
Cladosporium	40	27	27	-	27
Ascospores	13	-	-	27	-
Basidiospores[2]	27	80	13	-	-
Smuts, *Periconia* , Myxomycetes[4]	-	27	13	-	-
Penicillium/Aspergillus Group[1]	13	13	-	-	13
Hyphal Elements[3]	-	-	-	-	-
Alternaria	-	-	-	-	-
Curvularia	-	-	-	13	-
Epicoccum	-	-	-	-	-
Cercospora	-	-	-	-	-
Arthrinium	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	-	-	-	-
Ulocladium	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust[5]	-	-	-	-	-
Drechslera/Bipolaris	-	-	-	-	-
Tetraploa	-	-	-	-	-
Chaetomium	-	-	-	-	-
Stachybotrys	-	-	-	-	-
	-	-	-	-	-
Total Spores/m^3	**93**	**147**	**53**	**40**	**40**
Particulate Level	**low**	**low-moderate**	**low**	**low-moderate**	**low**
Date Analyzed:	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Table 1: Non-Viable Air Samples

Date Collected:	11/16/24	11/16/24	11/16/24	11/16/24
	21	22	23	24
Spore Identification	**CR 364**	**Auditorium Dressing Area**	**Hall at Weight Room**	**Outdoor Air**
Cladosporium	53	53	53	853
Ascospores	-	27	27	7200
Basidiospores[2]	13	13	80	480
Smuts, *Periconia* , Myxomycetes[4]	-	13	27	320
Penicillium/Aspergillus Group[1]	-	13	13	213
Hyphal Elements[3]	13	40	13	53
Alternaria	-	-	-	-
Curvularia	-	27	-	53
Epicoccum	-	-	-	-
Cercospora	-	-	-	-
Arthrinium	-	-	-	-
Clear Brown	-	-	-	-
Colorless	-	-	-	-
Trichocladium	-	-	-	-
Unidentified	-	-	-	-
Ulocladium	-	-	-	-
Torula	-	-	-	-
Pithomyces	-	-	-	-
Rust[5]	-	-	-	-
Drechslera/Bipolaris	-	13	-	-
Tetraploa	-	-	-	-
Chaetomium	-	-	-	-
Stachybotrys	-	-	-	-
	-	-	-	-
Total Spores/m^3	**80**	**200**	**213**	**9173**
Particulate Level	**low**	**low-moderate**	**low-moderate**	**low-moderate**
Date Analyzed:	**11/21/24**	**11/21/24**	**11/21/24**	**11/21/24**

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	1	**Volume (L):**	75
Sample Location:	Hall at Administration	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	24%
Ascospores	1	13	spores/m^3	6%
Basidiospores	5	67	spores/m^3	29%
Smuts, *Periconia* , Myxomycetes	3	40	spores/m^3	18%
Penicillium/Aspergillus Group	2	27	spores/m^3	12%
Hyphal Elements	2	27	spores/m^3	12%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**17**	**227**	**spores/m^3**	

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number: 2
Sample Location: Cafeteria
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	67%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	33%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**3**	**40**	**spores/m^3**	

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Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	3	**Volume (L):**	75
Sample Location:	Hall at CR 302	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	80%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	20%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**5**	**67**	**spores/m^3**	

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Project #: **24-3289**
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Project Type: IAQ
PO/Claim #: _

Sample Number:	4	**Volume (L):**	75
Sample Location:	Cr 307	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	22%
Ascospores	2	27	spores/m^3	22%
Basidiospores	1	13	spores/m^3	11%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	22%
Penicillium/Aspergillus Group	1	13	spores/m^3	11%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris	1	13	spores/m^3	11%
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**9**	**120**	**spores/m^3**	

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Sample Number:	5	**Volume (L):**	75
Sample Location:	Hall at CR318	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	5	67	spores/m^3	33%
Ascospores		-	spores/m^3	-
Basidiospores	3	40	spores/m^3	20%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	7%
Penicillium/Aspergillus Group	4	53	spores/m^3	27%
Hyphal Elements	2	27	spores/m^3	13%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**15**	**200**	**spores/m^3**	

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Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	6	**Volume (L):**	75
Sample Location:	CR 320	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium		-	spores/m^3	-
Ascospores		-	spores/m^3	-
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	67%
Penicillium/Aspergillus Group	1	13	spores/m^3	33%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**3**	**40**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Non-Viable Spore Trap Analysis

Dare County Schools
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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
_
Project Type: IAQ
PO/Claim #: _

Sample Number: 7
Sample Location: Hall at Media Center
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	36%
Ascospores	3	40	spores/m^3	27%
Basidiospores	2	27	spores/m^3	18%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	9%
Penicillium/Aspergillus Group	1	13	spores/m^3	9%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**11**	**147**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	8	**Volume (L):**	75
Sample Location:	Media Center	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	33%
Ascospores		-	spores/m^3	-
Basidiospores	3	40	spores/m^3	50%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	1	13	spores/m^3	17%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**6**	**80**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	9	**Volume (L):**	75
Sample Location:	Hall at 153	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	38%
Ascospores	1	13	spores/m^3	13%
Basidiospores	2	27	spores/m^3	25%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	25%
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**8**	**107**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number: 10
Sample Location: Gym
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	50%
Ascospores	1	13	spores/m^3	25%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	25%
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number: 11
Sample Location: Aux. Gym
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	50%
Ascospores	2	27	spores/m^3	50%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	12	**Volume (L):**	75
Sample Location:	Hall at 149	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	50%
Ascospores		-	spores/m^3	-
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	1	13	spores/m^3	25%
Hyphal Elements	1	13	spores/m^3	25%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	13	**Volume (L):**	75
Sample Location:	CR 317	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	1	13	spores/m^3	25%
Ascospores	2	27	spores/m^3	50%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements	1	13	spores/m^3	25%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number: 14
Sample Location: Music Room
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	67%
Ascospores		-	spores/m^3	-
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	17%
Penicillium/Aspergillus Group	1	13	spores/m^3	17%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**6**	**80**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	15	**Volume (L):**	75
Sample Location:	Auditorium	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium		-	spores/m^3	-
Ascospores	1	13	spores/m^3	50%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces	1	13	spores/m^3	50%
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**2**	**27**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	16	**Volume (L):**	75
Sample Location:	Hall at CR 205	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	3	40	spores/m^3	43%
Ascospores	1	13	spores/m^3	14%
Basidiospores	2	27	spores/m^3	29%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	1	13	spores/m^3	14%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**7**	**93**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 South Wrightsville Avenue
Nags Heads, NC
_

Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	17	**Volume (L):**	75
Sample Location:	CR210	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	18%
Ascospores		-	spores/m^3	-
Basidiospores	6	80	spores/m^3	55%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	18%
Penicillium/Aspergillus Group	1	13	spores/m^3	9%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**11**	**147**	**spores/m^3**	

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	18	**Volume (L):**	75
Sample Location:	Hall at 352	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	50%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	25%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	25%
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**4**	**53**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	19	**Volume (L):**	75
Sample Location:	Hall at 359	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium		-	spores/m^3	-
Ascospores	2	27	spores/m^3	67%
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia	1	13	spores/m^3	33%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**3**	**40**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	20	**Volume (L):**	75
Sample Location:	CR 360	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	2	27	spores/m^3	67%
Ascospores		-	spores/m^3	-
Basidiospores		-	spores/m^3	-
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group	1	13	spores/m^3	33%
Hyphal Elements		-	spores/m^3	-
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**3**	**40**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	21	**Volume (L):**	75
Sample Location:	CR 364	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	67%
Ascospores		-	spores/m^3	-
Basidiospores	1	13	spores/m^3	17%
Smuts, *Periconia* , Myxomycetes		-	spores/m^3	-
Penicillium/Aspergillus Group		-	spores/m^3	-
Hyphal Elements	1	13	spores/m^3	17%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**6**	**80**	**spores/m^3**	

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	22	**Volume (L):**	75
Sample Location:	Auditorium Dressing Area	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	27%
Ascospores	2	27	spores/m^3	13%
Basidiospores	1	13	spores/m^3	7%
Smuts, *Periconia* , Myxomycetes	1	13	spores/m^3	7%
Penicillium/Aspergillus Group	1	13	spores/m^3	7%
Hyphal Elements	3	40	spores/m^3	20%
Alternaria		-	spores/m^3	-
Curvularia	2	27	spores/m^3	13%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris	1	13	spores/m^3	7%
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**15**	**200**	**spores/m^3**	

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
Project Type: IAQ
PO/Claim #: _

Sample Number:	23	**Volume (L):**	75
Sample Location:	Hall at Weight Room	**Percentage of Slide Read:**	100.0%
Date Collected:	11/16/24	**Detection Limit:**	13.33
Test Requested:	Non-viable spore trap analysis	**Particulate Level:**	low-moderate
Date Analyzed:	11/21/24	**Notes:**	_

Spore Identification	Count	Results	Units	Percentage
Cladosporium	4	53	spores/m^3	25%
Ascospores	2	27	spores/m^3	13%
Basidiospores	6	80	spores/m^3	38%
Smuts, *Periconia* , Myxomycetes	2	27	spores/m^3	13%
Penicillium/Aspergillus Group	1	13	spores/m^3	6%
Hyphal Elements	1	13	spores/m^3	6%
Alternaria		-	spores/m^3	-
Curvularia		-	spores/m^3	-
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**16**	**213**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Project #: **24-3289**
Project Location: Cape Hatteras Secondary School
_
Project Type: IAQ
PO/Claim #: _

Sample Number: 24
Sample Location: Outdoor Air
Date Collected: 11/16/24
Test Requested: Non-viable spore trap analysis
Date Analyzed: 11/21/24

Volume (L): 75
Percentage of Slide Read: 25.0%
Detection Limit: 53.33
Particulate Level: low-moderate
Notes: _

Spore Identification	Count	Results	Units	Percentage
Cladosporium	16	853	spores/m^3	9%
Ascospores	135	7200	spores/m^3	78%
Basidiospores	9	480	spores/m^3	5%
Smuts, *Periconia* , Myxomycetes	6	320	spores/m^3	3%
Penicillium/Aspergillus Group	4	213	spores/m^3	2%
Hyphal Elements	1	53	spores/m^3	1%
Alternaria		-	spores/m^3	-
Curvularia	1	53	spores/m^3	1%
Epicoccum		-	spores/m^3	-
Cercospora		-	spores/m^3	-
Arthrinium		-	spores/m^3	-
Clear Brown		-	spores/m^3	-
Colorless		-	spores/m^3	-
Trichocladium		-	spores/m^3	-
Unidentified		-	spores/m^3	-
Ulocladium		-	spores/m^3	-
Torula		-	spores/m^3	-
Pithomyces		-	spores/m^3	-
Rust		-	spores/m^3	-
Drechslera/Bipolaris		-	spores/m^3	-
Tetraploa		-	spores/m^3	-
Chaetomium		-	spores/m^3	-
Stachybotrys		-	spores/m^3	-
		-	spores/m^3	-
Total Spores	**172**	**9173**	**spores/m^3**	

Analyzed by: Cathy A. Richmond, B.S.

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Certificate of Laboratory Analysis

Project #: 24-3289

Report Information:

DETECTION LIMITS (DL) for samples are the minimum number of spores or colonies forming units that can be satisfactorily identified for each sample type.

SPORE TRAP SAMPLES: Calculations based on volume of air sampled & percentage of slide counted, i.e. DL = 1000 L / 75 L if 100% of the slide is counted.

CODE 11: Fungal content and/or particulate level on slide too heavy to identify and enumerate fungal content.

Footnotes:

1. *Penicillium/Aspergillus* group spores are characterized by their small size, round to ovoid shape, being unicellular and usually colorless to lightly pigmented. There are numerous genera of fungi whose spore morphology is similar to that of the *Penicillium/Aspergillus* type. Several common examples would be *Acremonium, Paecilomyces,* and *Trichoderma* . Although the majority of spores placed in this group are *Penicillium* , *Aspergillus* , or a combination of both, these are not the only two possibilities.
2. Basidiospores are primarily transported indoors from outdoor sources and rarely grow indoors. A high basidiospore count indoors can be indicative of a wood decay problem or wet soil, and should be verified if and an outdoor source of the spores is not present.
3. Hyphae are the tubular filaments of fungi. Hyphae can fragment and become airborne much like spores and are potentially allergenic.
4. The Smut, *Periconia,* Myxomycete group is a group composed of three different types of organisms whose spores have similar morphologies. Smuts are plant pathogens, *Periconia* is a relatively uncommon mold indoors, and Myxomycetes are not fungi, but slime molds. Although these organisms do not typically proliferate indoors, their spores are potentially allergenic.
5. Rusts are plant pathogens. These fungi do not typically grow indoors unless an infected plant is present. Rust spores are potentially allergenic.

Chain of Custody available on request

Direct Microscopic Exam Reporting:

We use a 400x-600x magnification microscope.

Reporting Quantification Levels are as follows:

Reporting Level	Quantitative Description
Occasional	1-10 per square inch
Few	11-100 per square inch
Moderate	101-1000 per square inch
Numerous	More than 1,000 per square inch

Submitted By Analyst:

Cathy A Richmond

Cathy A. Richmond, BS
11/21/2024

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